



1

SEQUENCE LISTING

<110> Spotila, Loretta D

<120> Methods and Kits for Identifying Individuals at Risk of Developing Osteoporosis

<130> DRE-0057

<150> 60/110,268

<151> 1998-11-30

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 2613

<212> DNA

<213> Homo sapien

<400> 1

tcttggtctc ggctcctggc ccagtgtctt ttcccatgtg tctgaatctg catcttgggc 60  
aggggtccct gggcccccact cctggacccc cggactgacc cccaccccat cttgtgctta 120  
gcagattctt cccttggtgg ccatgggacc caggtcaatg tcacctgcat cgtgaacgtc 180  
tgtagcagct ctgaccacag ctacagtgc tctcccaag ccagctccac aatgggagac 240  
acagattcca gccctcggga gtccccaag gacgagcagg tccccttctc caaggaggaa 300  
tgtgcctttc ggtcacagct ggagacgcca gagaccctgc tggggagcac cgaagagaag 360  
ccctgcccc ttggagtgcc tgatgctggg atgaagccca gttaaccagg cgggtgtggg 420  
ctgtgtcgta gccaaggtgg gctgagccct ggcaggatga ccctgcgaag gggccctggt 480  
ccttcaggc cccaccact aggactctga ggctctttct gggccaagtt cctctagtgc 540  
cctccacagc cgcagcctcc ctctgacctg caggccaaga gcagaggcag cgagttgggg 600  
aaagcctctg ctgccatggt gtgtccctct cggaaggctg gctgggcatt gacgttcggg 660  
gcatgctggg gcaagtcctt gactctctgt gacctgcccc gccagctgc acctgccagc 720  
ctggcttctg gagcccttgg gttttttgtt tgtttgtttg tttgtttgtt tgtttctccc 780  
cctgggctct gccagctct ggcttcaga aaaccccagc atccttttct gcagaggggc 840  
tttctggaga ggagggatgc tgcctgagtc acccatgaag acaggacagt gcttcagcct 900  
gaggctgaga ctgcgggatg gtccctggggc tctgtgtagg gaggaggtgg cagccctgta 960  
gggaacgggg tccttcaagt tagctcagga ggcttggaaa gcatcacctc aggccagggtg 1020  
cagtggctca cgcctatgat cccagcactt tgggaggctg aggcgggtgg atcacctgag 1080  
gttaggagtt cgagaccagc ctggccaaca tggtaaaacc ccatctctac taaaaataca 1140

gaaattagcc gggcgtggtg gcgggcacct atagtcccag ctactcagaa gcctgaggct 1200  
 gggaaatcgt ttgaaccgga gaagcggagg ttgcaggagg ccgagatcac gccactgcac 1260  
 tccagcctgg gcgacagagc gagagtctgt ctcaaaagaa aaaaaaaaaa gcaccgcctc 1320  
 caaatgctaa cttgtccttt tgtaccatgg tgtgaaagtc agatgcccag agggcccagg 1380  
 caggccacca tattcagtgc tgtggcctgg gcaagataac gcacttctaa ctagaaatct 1440  
 gccaatTTTT taaaaaagta agtaccactc aggccaacaa gccaacgaca aagccaaact 1500  
 ctgccagcca catccaaccc cccacctgcc atttgacccc tccgccttca ctccggtgtg 1560  
 cctgcagccc cgcgcctcct tccttgctgt cctaggccac accatctcct ttcagggaat 1620  
 ttcagggaat agagatgact gagtctctgt agccatctct ctactcttac ctacgcctag 1680  
 accctctctc tccccagag ggggtgggttc ctcttcccca ctccccacct tcaattcctg 1740  
 ggccccaac gggctgcct gccactttgg tacatggcca gtgtgatccc aagtgccagt 1800  
 cttgtgtctg cgtctgtgtt gcgtgtcgtg ggtgtgtgta gccaaagtcg gtaagttgaa 1860  
 tggcctgcct tgaagccact gaagctggga ttcttcccca ttagagtcag ccttccccct 1920  
 cccagggcca gggccctgca gaggggaaac cagtgtagcc ttgcccgga tctgggagga 1980  
 agcaggttga ggggctcctg gaaaggctca gtctcaggag catggggata aaggagaagg 2040  
 catgaaattg tctagcagag caggggcagg gtgataaatt gttgataaat tccactggac 2100  
 ttgagcttgg cagctgaact attggagggt gggagagccc agccattacc atggagacaa 2160  
 gaagggtttt ccaccctgga atcaagatgt cagactggct ggctgcagtg acgtgcacct 2220  
 gtactcagga ggctgagggg aggatcactg gagcccagga gtttgaggct gcagcgagct 2280  
 atgatcgcg cactacactc cagcctgagc aacagagtga gacctgtct cttaaagaaa 2340  
 aaaaaagtca gactgctggg actggccagg tttctgcca cattggacce acatgaggac 2400  
 atgatggagc gcacctgcc cctggtggac agtcctggga gaacctcagg cttccttggc 2460  
 atcacagggc agagccggga agcgatgaat ttggagactc tgtggggcct tggttccctt 2520  
 gtgtgtgtgt gttgatcca agacaatgaa agtttgact gtatgctgga cggcattcct 2580  
 gcttatcaat aaacctgttt gttttaaaaa aaa 2613

A<sup>1</sup>  
 cont'd.

<210> 2  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic

<400> 2  
gtgatctgca agatgaactc ac 22

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 3  
acaccacgtc tgatgtttca 20

<210> 4  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 4  
aggactctga ggctctttct 20

<210> 5  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 5  
tcacagagag tcagggactt 20

A<sup>1</sup>  
contd.